

sequence listing.txt

Thr Ser Ser Ser His Phe Ala Arg Ala Tyr Tyr Gly Gly Asp Gly Gly
20 25 30

Trp Thr Asp Ala His Ala Thr Phe Tyr Gly Gly Ser Asp Ala Ser Gly
35 40 45

Thr Met Gly Gly Ala Cys Gly Tyr Gly Asn Leu Tyr Ser Gln Gly Tyr
50 55 60

Gly Thr Asn Thr Ala Ala Leu Ser Thr Ala Leu Phe Asn Asn Gly Leu
65 70 75 80

Ser Cys Gly Ser Cys Phe Glu Ile Lys Cys Ala Ser Ser Ile Ser Gly
85 90 95

Gly Gly Lys Trp Cys Leu Pro Gly Gly Ser Ile Thr Val Thr Ala Thr
100 105 110

Asn Phe Cys Pro Pro Asn Asn Ala Leu Pro Asn Asn Ala Gly Gly Trp
115 120 125

Cys Asn Pro Pro Leu Gln His Phe Asp Leu Ser Gln Pro Val Phe Gln
130 135 140

His Ile Ala Gln Tyr Arg Ala Gly Ile Val Pro Val Ser Tyr Arg Arg
145 150 155 160

Val Pro Cys Arg Arg Gly Gly Ile Arg Phe Thr Ile Asn Gly His
165 170 175

Ser Tyr Phe Asn Leu Val Leu Ile Thr Asn Val Gly Gly Ala Gly Asp
180 185 190

Val His Ala Val Ser Ile Lys Gly Ala Thr Thr Asp Trp Gln Pro Met
195 200 205

Ser Arg Asn Trp Gly Gln Asn Gln Ser Asn Ala Asn Pro Asn Gly Gln
210 215 220

Arg Leu Ser Phe Lys Val Thr Thr Ser Asp Gly Arg Thr Leu Val Ser
225 230 235 240

Asn Asn Val Ala Pro Pro Asn Trp Ser Phe Gly Gln Thr Phe Ala Gly
245 250 255

Ala Gln Phe Asn
260

sequence listing.txt

<210> 3
<211> 657
<212> DNA

<213> Craterostigma plantagineum

<400> 3
gcgaccttt atggcggcg cgatgcgagc ggcaccatgg gcggcgctg cggctatggc 60
aacctgtata gcaccggcta tggcaccaac accgcggcgc tgagcaccgc gctgtttaac 120
aacggcctga cctgcggcgc gtgctatgaa ctgacctgca acaacgatcc gcgcggctgg 180
tgcctgagcg gcaccattat ggtgaccgcg accaacttt gcccggcga cccgagcctg 240
ccgaacgata acggcggctg gtgcaacccg ccgcgccagc atttgatct ggccgaaccg 300
gcgtttctgc agattgcga gtataaagcg ggcattgtgc cggtaacta tcgcccgtg 360
ccgtgccaga aaaaaggcgg cattcgctt accattaacg gccatagctt ttttaacctg 420
gtgctggta ccaacgtggg cggcgtggc gatgtgcata gcgtgagcat taaaggcagc 480
aacggcggct ggcagccgct gagccgcaac tggggccaga actggcagag caacagctat 540
ctgaacggcc agagcctgag cttcaggtg accaccagcg atggccgcac cgtgaccagc 600
tatgatgtgg cgccgcgcgg ctggcagttt ggccagacct ttgaaggcgg ccagttt 657

<210> 4
<211> 219

<212> PRT

<213> Craterostigma plantagineum

<400> 4

Ala Thr Phe Tyr Gly Gly Gly Asp Ala Ser Gly Thr Met Gly Gly Ala
1 5 10 15

Cys Gly Tyr Gly Asn Leu Tyr Ser Thr Gly Tyr Gly Thr Asn Thr Ala
20 25 30

Ala Leu Ser Thr Ala Leu Phe Asn Asn Gly Leu Thr Cys Gly Ala Cys
35 40 45

Tyr Glu Leu Thr Cys Asn Asn Asp Pro Arg Gly Trp Cys Leu Ser Gly
50 55 60

Thr Ile Met Val Thr Ala Thr Asn Phe Cys Pro Pro Asn Pro Ser Leu
65 70 75 80

Pro Asn Asp Asn Gly Gly Trp Cys Asn Pro Pro Arg Gln His Phe Asp
85 90 95

Leu Ala Glu Pro Ala Phe Leu Gln Ile Ala Gln Tyr Lys Ala Gly Ile
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105 110

Val Pro Val Asn Tyr Arg Arg Val Pro Cys Gln Lys Lys Gly Gly Ile
115 120 125

Arg Phe Thr Ile Asn Gly His Ser Phe Phe Asn Leu Val Leu Val Thr
130 135 140

Asn Val Gly Gly Val Gly Asp Val His Ser Val Ser Ile Lys Gly Ser
145 150 155 160

Asn Gly Gly Trp Gln Pro Leu Ser Arg Asn Trp Gly Gln Asn Trp Gln
165 170 175

Ser Asn Ser Tyr Leu Asn Gly Gln Ser Leu Ser Phe Gln Val Thr Thr
180 185 190

Ser Asp Gly Arg Thr Val Thr Ser Tyr Asp Val Ala Pro Arg Gly Trp
195 200 205

Gln Phe Gly Gln Thr Phe Glu Gly Gly Gln Phe
210 215

<210> 5

<211> 672

<212> DNA

<213> Craterostigma plantagineum

<400> 5

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tttaacaacg gcctggcgtg cggcagctgc tatcaggtgc gctgcgaagg cggcccgaaa 180
tggtcgtgc gcggcggcga tcgcattatt accgtgaccg cgaccaactt ttgcccgcg 240
aactatgcgc tggcgaacga taacggcggc tggtgcaacc cgccgcgcca gcattttgat 300
atggcgcagc cggcgttgt gcgcattgca cattatcgca cggcattgt gccgattagc 360
tatcgccgcg ttagctgcgt gaaaaaaaggc ggcattcgcc tgaccattaa cggccatagc 420
tatttttaacc tggtgctggc gagcaacgtg ggcggcagcg gcgtatgtca tgcggtgtgg 480
attnaaaggca gcggcggcgg cccgtggcag gcgtatgaccc gcaactgggg ccagaactgg 540
cagagcaaca gctatctgga tggccagagc ctgagctta ttgtgcgcgc gggcgatggc 600
cgcaccgtga ccgcgaacga tattgtgccg cgcggctggc agtttggcca gacctttgaa 660
ggcccgact tt 672

<210> 6

sequence listing.txt

<211> 224

<212> PRT

<213> Craterostigma plantagineum

<400> 6

Cys His Ala Thr Phe Tyr Gly Gly Ser Asp Ala Ser Gly Thr Met Gly
1 5 10 15

Gly Ala Cys Gly Tyr Gly Asn Leu Tyr Ser Gln Gly Tyr Gly Thr Asn
20 25 30

Thr Ala Ala Leu Ser Thr Thr Leu Phe Asn Asn Gly Leu Ala Cys Gly
35 40 45

Ser Cys Tyr Gln Val Arg Cys Glu Gly Gly Pro Lys Trp Cys Val Arg
50 55 60

Gly Gly Asp Arg Ile Ile Thr Val Thr Ala Thr Asn Phe Cys Pro Pro
65 70 75 80

Asn Tyr Ala Leu Ala Asn Asp Asn Gly Gly Trp Cys Asn Pro Pro Arg
85 90 95

Gln His Phe Asp Met Ala Gln Pro Ala Phe Val Arg Ile Ala His Tyr
100 105 110

Arg Ala Gly Ile Val Pro Ile Ser Tyr Arg Arg Val Ser Cys Val Lys
115 120 125

Lys Gly Gly Ile Arg Leu Thr Ile Asn Gly His Ser Tyr Phe Asn Leu
130 135 140

Val Leu Val Ser Asn Val Gly Gly Ser Gly Asp Val His Ala Val Trp
145 150 155 160

Ile Lys Gly Ser Gly Gly Pro Trp Gln Ala Met Thr Arg Asn Trp
165 170 175

Gly Gln Asn Trp Gln Ser Asn Ser Tyr Leu Asp Gly Gln Ser Leu Ser
180 185 190

Phe Ile Val Arg Ala Gly Asp Gly Arg Thr Val Thr Ala Asn Asp Ile
195 200 205

Val Pro Arg Gly Trp Gln Phe Gly Gln Thr Phe Glu Gly Pro Gln Phe
210 215 220

<210> 7

sequence listing.txt

<211> 8
<212> PRT
<213> Craterostigma plantagineum

<400> 7

Ala Ser Ser Ile Ser Gly Gly Gly
1 5

<210> 8
<211> 22
<212> DNA
<213> Artificial sequence

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<223> degenerate primer for amplification of expansin nucleic acid

<220>
<221> misc_feature
<222> (3)..(3)
<223> any nucleotide base

<220>
<221> misc_feature
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<223> any nucleotide base

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<222> (12)..(12)
<223> any nucleotide base

<220>
<221> misc_feature
<222> (21)..(21)
<223> any nucleotide base

<400> 8
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22

<210> 9
<211> 21
<212> DNA
<213> Artificial sequence

<220>
<223> degenerate oligonucleotide for amplification of expansin nucleic acid

<220>
<221> misc_feature
<222> (13)..(13)
<223> any nucleotide base

<400> 9
ytgccartt ygncccccatt t

21

sequence listing.txt

<210> 10		
<211> 38		
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<213> Craterostigma plantagineum		
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<210> 11		
<211> 22		
<212> DNA		
<213> Craterostigma plantagineum		
<400> 11		
gtcacagcct gttttccaac ac		22 ✓
<210> 12		
<211> 18		
<212> DNA		
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<400> 12		
actaacgtgg gcgggtgct		18
<210> 13		
<211> 25		
<212> DNA		
<213> Craterostigma plantagineum		
<400> 13		
gcctcctctt ctacggcatg gtacc		25
<210> 14		
<211> 39		
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aaggcgttgtt atcaacgcag agtggccatt atggccggg		39
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<211> 23		
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aaggcgttgtt atcaacgcag agt		23
<210> 16		
<211> 26		
<212> DNA		
<213> Craterostigma plantagineum		
<400> 16		
ctgtaagaaa cgggcacaat cccagc		26

sequence listing.txt

<210> 17	
<211> 24	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 17	
gctcagata cagctggat tgtg	24
<210> 18	
<211> 27	
<212> DNA	
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<400> 18	
ttgaagtaag agtgtccgtt tattgtg	27
<210> 19	
<211> 21	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 19	
gtgcctctcg ggaaccataa t	21
<210> 20	
<211> 23	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 20	
ttgtactgctg ctagtgcgaa gaa	23
<210> 21	
<211> 21	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 21	
cgtcgatgtac aacgctgttc a	21
<210> 22	
<211> 25	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 22	
gtaattggaa ggacagaaat ttgtg	25
<210> 23	
<211> 23	
<212> DNA	
<213> Craterostigma plantagineum	
<400> 23	
catctgggtt aagaacggaa aca	23

sequence listing.txt

<210> 24
<211> 23
<212> DNA
<213> *Craterostigma plantagineum*

<400> 24
caaaaccgat cgttgtggta atc

23